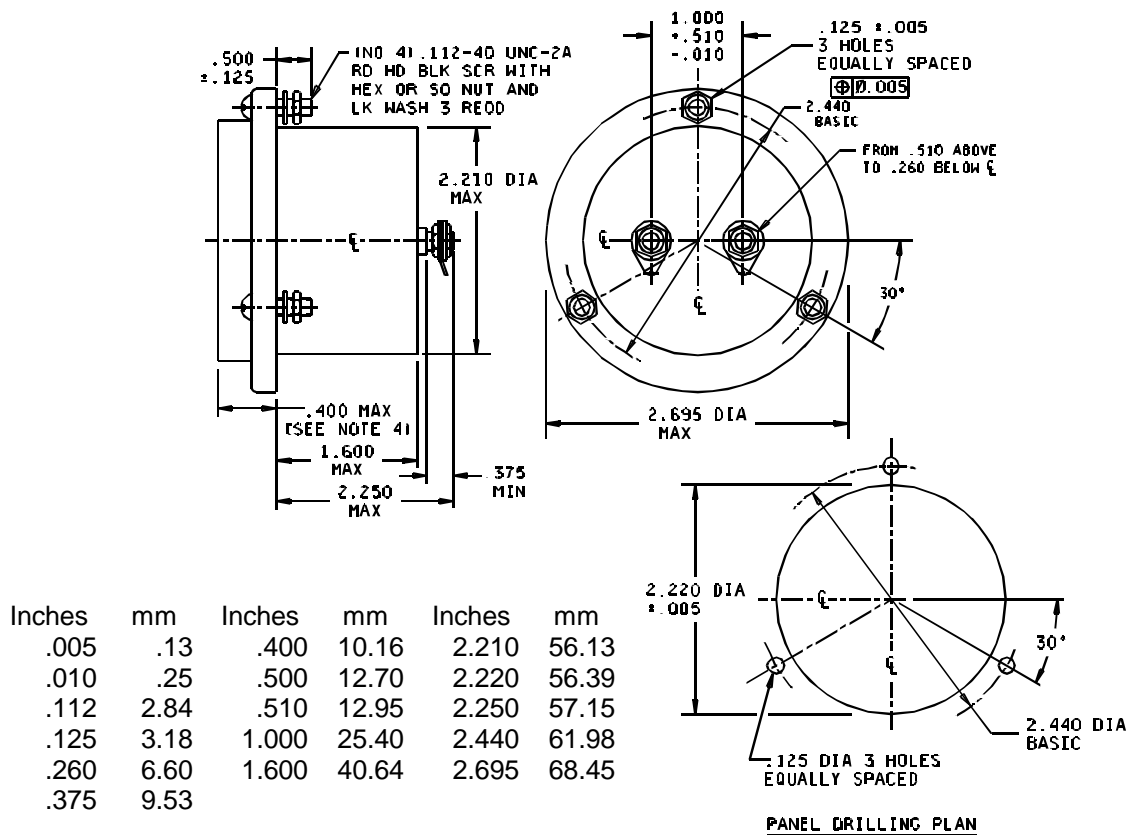


PERFORMANCE SPECIFICATION SHEET

METERS, ELECTRICAL INDICATING, PANEL TYPE, RUGGEDIZED:
 AMMETER, DC (FLUSH MOUNTING, ROUND FLANGE, 2½ INCH), STYLE 26

This specification is approved for use by all
 Departments and Agencies of the Department of
 Defense.

The complete requirements for procuring the meters described herein shall
 consist of this document and the latest issue of Specification MIL-PRF-10304.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Tolerance is $\pm \frac{1}{2}^\circ$ on angles.
4. Maximum projection from front panel including mounting gaskets (if used).

FIGURE 1. Meter, panel type.

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REQUIREMENTS:

(Readings expressed as percent of full-scale value.)

Dimensions and configuration: See figure 1.

Full-scale ranges: See table I.

Scale:

Length: 1.5 inches minimum.

Pointer deflection: 10° minimum.

Position influence: ± 2 percent change for 60° rotation from normal operating position.

Accuracy: ± 2 percent.

Overshoot: 40 percent maximum.

Response time: 2 seconds maximum.

Power consumption (loss) (at end scale deflection):

Microammeters and milliammeters: 150 mV maximum.

Ammeters (self-contained): 75 mV maximum.

Ammeters (external shunt): 50 mV ± 2 percent with leads of 0.065 ± 0.010 ohms resistance.

High temperature cycling:

± 4 percent

± 2 percent permanent change.

Temperature influence: ± 1 percent change.

Exposure to extreme temperatures: ± 3 percent permanent change.

Overload capacity:

Momentary overload: ± 2 percent change.

Sustained overload:

± 1 percent temporary zero shift.

± 1 percent permanent zero shift.

± 2 percent permanent change.

Dielectric withstanding voltage: 3,000 volts rms.

Vibration random drop, and shock: Repeatability not applicable for microammeters below 100 μ A ranges.

TABLE I. Full-scale ranges.

Microamperes		Milliamperes		Amperes		Kiloamperes
Zero left	Zero center	Zero left	Zero center	Zero left	Zero center	
10	30-0-30	1	1-0-1	1	1-0-1	<u>1/</u> 1.0
20	50-0-50	5	5-0-5	2	5-0-5	<u>1/</u> 1.2
30	100-0-100	10	10-0-10	5	10-0-10	
50	300-0-300	50	50-0-50	10	<u>1/</u> 10-0-30	
100	500-0-500	100	100-0-100	20	<u>1/</u> 20-0-20	
200		200	500-0-500	30	<u>1/</u> 30-0-30	
300		300		<u>1/</u> 50		
500		500		<u>1/</u> 100		
				<u>1/</u> 200		
				<u>1/</u> 300		
				<u>1/</u> 500		

1/ Used with external shunt.

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Custodians:

Army - CR
Navy - SH
Air Force - 99
DLA – CC

Preparing activity:

DLA - CC

(Project 6625-0863)

Review activities:

Air Force - 11
Army - AR, AT, AV, CR4, EA
Navy - MC